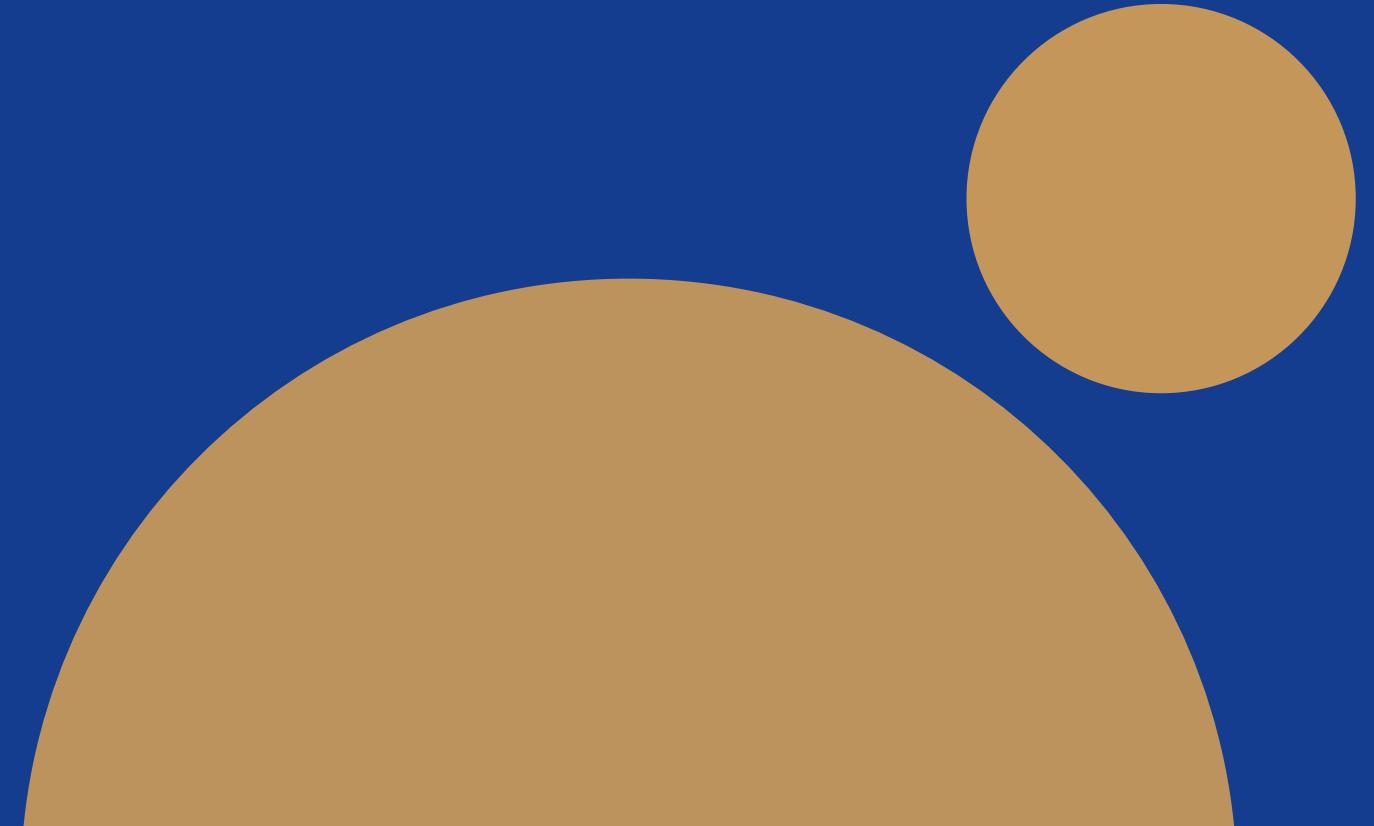


Estd. 1995

VNRVJIET
VALLURUPALLI NAGESWARA RAO
VIGNANA JYOTHI INSTITUTE OF
ENGINEERING & TECHNOLOGY
AUTONOMOUS INSTITUTION

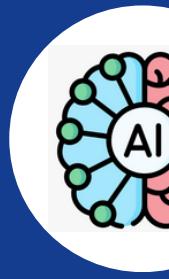
Minor Degree Programs

Expanding Horizons, Deepening Knowledge



Minor Degree Programs offered

Artificial
Intelligence &
Machine Learning



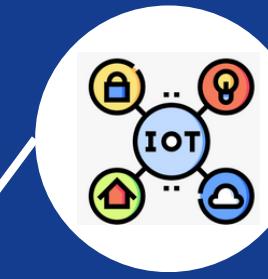
Cyber Security



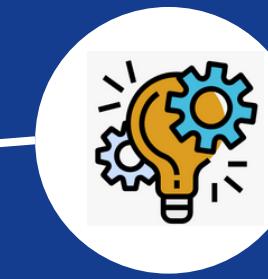
Data Science



Internet of Things



Innovation &
Entrepreneurship



Banking, Financial Services,
and Insurance



Branches of Engineering offering Minor Degree Programs

Civil Engineering

Electrical & Electronics Engineering

Mechanical Engineering

Electronics & Communication Engineering

Electronics & Instrumentation Engineering

Automobile Engineering

Career Prospects



Civil Engineering: Expanding Career Horizons

AI/ML



Smart Construction

Data
Science



Environmental
Monitoring

Cyber
Security



Smart Infrastructure

IoT



IoT in Modern Civil
Engineering

Electrical and Electronics Engineering

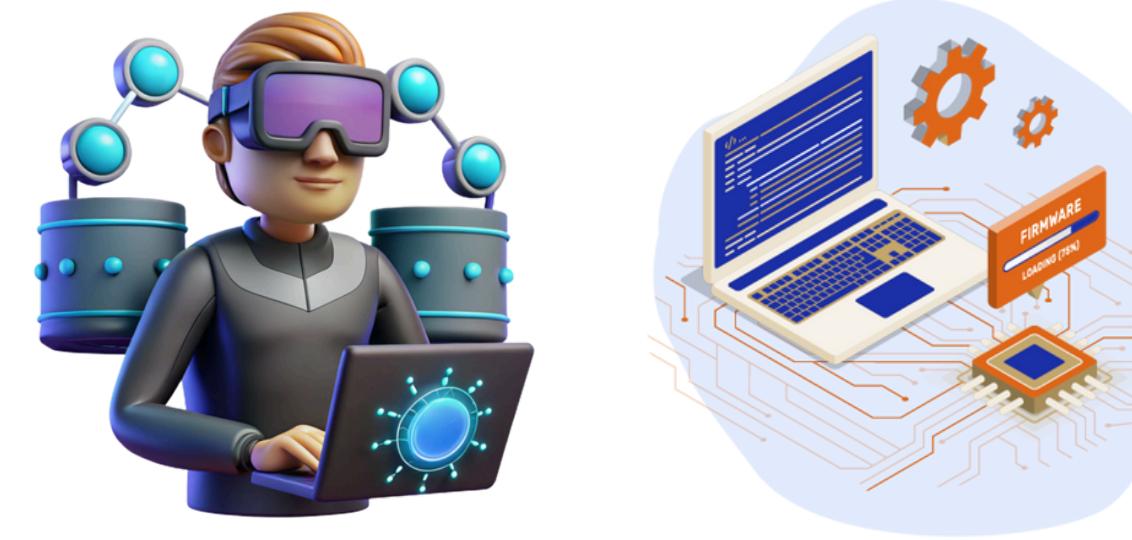
AI&ML

- Machine Learning Engineer
- AI/ML Systems Engineer
- Deep Learning Engineer
- Signal Processing Engineer with ML focus
- AI Hardware Design Engineer (FPGA/ASIC)



Cyber Security

- Cyber Security Analyst
- Embedded Systems Security Engineer
- Network Security Engineer
- SCADA Security Specialist
- Security Consultant for IoT Systems



Data Science

- Data Analyst
- Data Scientist
- Data Engineer
- Power Systems Data Analyst
- Energy Analytics Specialist

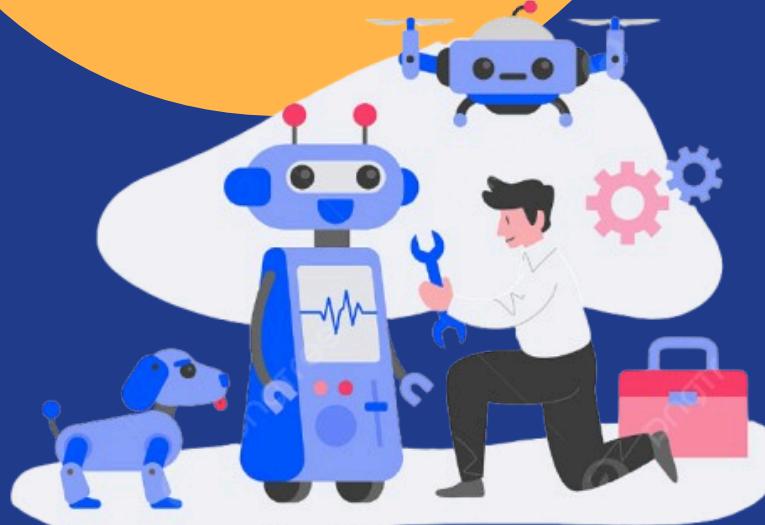
IoT

- IoT Systems Engineer
- Embedded IoT Developer
- Firmware Engineer
- IoT Hardware Design Engineer
- Smart Grid/Smart City Solutions Engineer

Mechanical Engineering

AI&ML

- AI/ML Engineer for Robotics
- Predictive Maintenance Engineer
- Mechatronics & AI Engineer
- Digital Twin Developer
- Autonomous Systems Engineer



Data Sceince

- Manufacturing Data Analyst
- Product Performance Analyst
- Data Scientist (Mechanical Systems)
- Quality Control Data Analyst
- Supply Chain Data Engineer



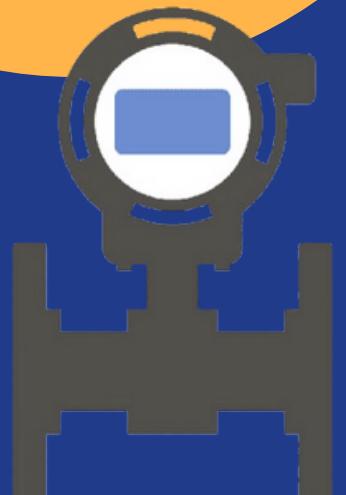
Cyber Security

- Industrial Systems Security Analyst
- SCADA Security Engineer
- Control Systems Security Consultant
- Operational Technology (OT) Cybersecurity Specialist



IoT

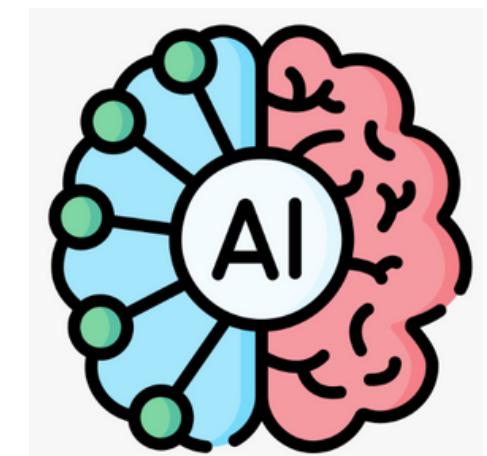
- IoT Design Engineer
- Smart Manufacturing Engineer
- Industrial IoT (IIoT) Engineer
- Embedded Systems Engineer
- Automation & Controls Engineer



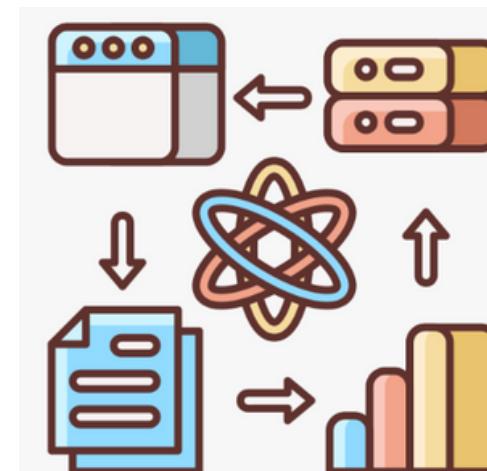
Electronics and Communication Engineering



- AI Engineer (Edge Devices & Embedded AI)
- Signal/Image Processing Engineer with AI focus
- AI Hardware Engineer (FPGA/ASIC/SoC)
- Speech & Language Processing Engineer



- Data Analyst
- Data Scientist
- Data Engineer
- Telecom Data Analyst
- Network Performance Analyst



- Cyber Security Analyst
- Network Security Engineer
- Embedded Security Engineer
- Information Security Consultant



Electronics & Instrumentation Engineering

AIML

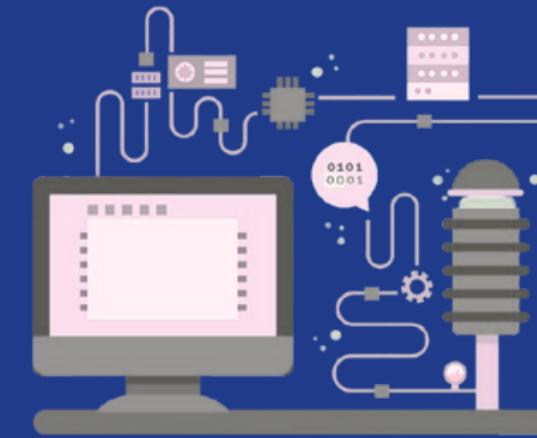
Data
Science

Cyber
Security

- Machine Learning Engineer (Control Systems)
- AI Engineer for Industrial Automation
- Intelligent Instrumentation Developer
- AI Integration Specialist in Process Industries
- Predictive Maintenance Engineer using AI

- Industrial Data Analyst
- Process Data Scientist
- Manufacturing Data Engineer
- Analytics Engineer in Automation/SCADA
- Quality Assurance Data Specialist

- SCADA/ICS Security Engineer
- Embedded System Security Specialist
- Industrial Network Security Analyst
- Operational Technology (OT) Security Consultant
- Control Systems Security Engineer



Automobile Engineering

AI&ML

- AI Engineer – Autonomous Vehicles
- Machine Learning Specialist – ADAS
- AI/ML Engineer – Vehicle Dynamics Optimization
- Predictive Maintenance Engineer Robotics & AI Developer for Assembly Lines

Data Science

- Automotive Data Analyst
- Vehicle Telematics Data Scientist
- Manufacturing Analytics Engineer
- Quality Control Data Specialist
- Fleet Performance Analyst

Cyber Security

- Vehicle Cybersecurity Engineer
- Automotive Embedded Security Analyst
- ADAS/ECU Security Specialist
- Automotive Network Security Engineer
- Connected Vehicle Security Consultant

IoT

- IoT Systems Engineer – Smart Vehicles
- Automotive IoT Integration Specialist
- Connected Car Engineer
- Telematics & Sensor Integration Engineer
- Smart Mobility Solutions Developer

OFFERED BY ALL BRANCHES



Banking, Financial Services, and Insurance

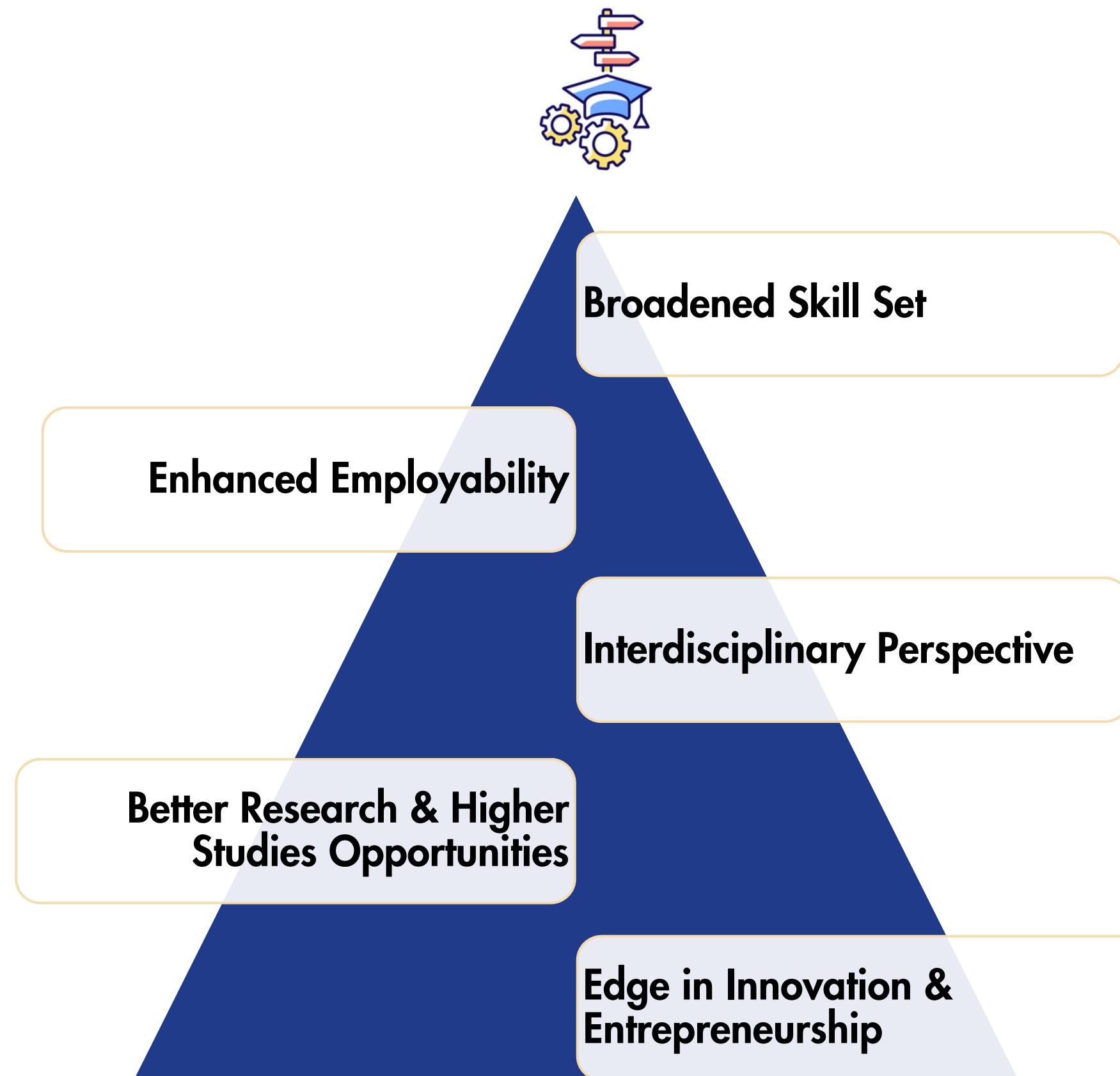
- Core Banking Roles
- Financial Services & Investment
- Accounting & Risk Management
- Data, Tech & Analytics
- Insurance Roles
- FinTech & Digital Transformation



Innovation & Entrepreneurship

- Startup Founders
- Corporate Intrapreneur
- Innovation Consultant
- Incubation / Accelerator Program Manager
- IP & Patent Consultant

Value Addition through Minor Degree Programs





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